

## STATE OF ARIZONA JOB CODE CLASSIFICATION SPECIFICATION

<b>FLSA:</b>	<b>NEXP</b>	<b>Job Code:</b>	<b>AUN04778</b>
<b>Job Class Code:</b>	<b>580</b>	<b>Salary Schedule:</b>	<b>AREG</b>
<b>EEO Category:</b>	<b>02</b>	<b>Grade:</b>	<b>22</b>
<b>Workers Comp Code:</b>	<b>8832</b>		

<b>Job Code Established:</b>	<b>01/07/02</b>	<b>Effective Date:</b>
<b>Job Code Revised:</b>	<b>3/20/14</b>	<b>Effective Date:</b>

**JOB CODE SERIES:** Public Health Protection Series

**JOB CODE TITLE:** PUBLIC HEALTH SCIENTIST SENIOR

**HRIS TITLE:** PUB HLTH SCIENTIST SR

**CHARACTERISTICS OF THE CLASS:** Performs complex, specialized microbiological and/or chemical examinations, tests, and analyses. Conducts method validation studies. Provides documented reports of analytical test results. Works with infectious, toxic, and/or other hazardous materials. At this level, positions are highly qualified subject matter experts.

**EXAMPLES OF DUTIES:** Individual positions may be responsible for some or all of the duties listed below and/or other related duties. Isolates and identifies disease-causing bacteria on specific media. Homogenizes specimens, centrifuges, and inoculates cell cultures with suspected viral-containing fluids for pathology analysis. Performs necropsy examination of animals in laboratory to detect rabies virus. Conducts quality control tests, using specified organisms to check growth media and assure that all ingredients are present in appropriate quantities and provide proper reactions when used. Analyzes routine and non-routine chemical samples for contamination by hazardous, toxic materials or adulterants. Conducts quality control tests specifying nature and extent of practices; reviews data generated for validity. Confers with users of services in order to arrive at agreements regarding specifications, timetables, agendas, schedules, and other aspects of the service. Devises research methodologies and strategies to meet specific problems. Writes detailed reports of completed laboratory analyses, and/or investigates scientific reports, outlining procedures, materials, conditions, and results. Reports on work unit's activities. Confers with laboratory program manager, presenting and resolving difficult problems or questions, discussing plans and actions to be taken, and making decisions. Attends periodic workshops or training sessions to improve working knowledge and skills. Testifies in court as official witness.

### **KNOWLEDGE, SKILLS AND ABILITIES:**

**Knowledge of:** principles and practices of microbiology including bacterial, parasitic, mycotic, viral and serological specialties and characteristics of immunological responses; principles of organic, inorganic and physical chemistry; mathematics; types of human and animal specimens that may be examined for bacterial, parasitic, mycotic and viral agents; principles, practices and applicable Federal and State regulatory standards of environmental health sciences governing industrial hygiene, air, water, food and drug testing; capabilities and usage of specialized equipment; prevailing and state-of-the-art chemical laboratory methods, equipment and materials; policies and procedures established for the work unit; principles and practices of leadership and work management.

**Skill in:** applying microbiological techniques to isolate and identify micro-organisms; applying technical chemistry methodology to laboratory testing and analysis; operating specialized laboratory equipment.

**Ability to:** communicate effectively verbally and in writing; develop, test and validate new and/or improved methodologies; write technical reports; establish and maintain work relationships; apply the principles and practices of leadership and work management; evaluate standard reagents

utilized in testing for micro-organisms, rabies, bacteria, and fungi; evaluate test data and interpret results; apply the principles and practices of leadership and work management.